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General technical requirements for logistics park digitalization

物流园区数字化通用技术要求

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part

1. Structure and drafting rules for standardization documents" Drafting is required. Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents. This document was proposed by the National Technical Committee on Logistics Standardization (SAC/TC 269). This document was prepared by the National Technical Committee on Logistics Standardization (SAC/TC 269), the National Technical Committee on Logistics Information Management Standardization (SAC/TC 267) This document was drafted by: Gooday Supply Chain Technology Co., Ltd., Tianjin University, China Federation of Logistics and Purchasing, Proske Technology (Shanghai) Co., Ltd., Beijing Jingdong Qianshi Technology Co., Ltd., Anshan Iron and Steel Group Co., Ltd., ZTE Corporation,

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1 Scope

China's national general technical requirements for the digitalization of logistics parks. A logistics park is a site where warehousing, transport, customs and value-added services are concentrated, and China has built them at every major transport node. Digitalizing one is not a matter of installing software in each tenant: the park's value comes from the interactions between the operators in it, and those are what stay manual - the gate, the yard, the dock allocation, the shared handling equipment and the customs interface. The requirements address the park as a platform rather than as an estate. Vehicle appointment and gate automation remove the queues that otherwise form at every entrance; yard management tracks trailers and containers that would otherwise be found by driving round; and a shared data layer lets a consignment be tracked across the operators handling it, which is what the customer is actually asking for.

This document provides a digital framework for logistics parks, and specifies the overall requirements, digitalization process, and digital operation of logistics parks. Operation and management, data management. This document applies to the digitalization of logistics park operations and management.

2 Normative references

The contents of the following documents constitute the essential clauses of this document through normative references in this document. For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies to This document.

GB/T 18354 Logistics Terminology

GB/T 30334-2024 Logistics Park Service Specifications and Evaluation Indicators

GB/T 31496 Information technology security technology - Guidelines for information security management systems

GB/T 35031 (all parts) User-side energy management system

GB/T 38637.2 IoT sensing control device access Part

3 Terms and definitions

The terms and definitions defined in GB/T 18354 and the following apply to this document.

3.1 Logistics Park Planned by the government and managed by a unified entity, it provides professional logistics services for many companies to set up distribution centers or regional distribution centers. A logistics industry cluster that provides logistics infrastructure and public services. [Source: GB/T 18354-2021, 3.16]

3.2 Logistics Park Digitalization Based on the operation data of the logistics park and digital technology, the process of operation and management of the logistics park is optimized.

4 Overall requirements for digitalization of logistics parks

4.1 The logistics park should formulate a digital master plan.

4.2 Logistics park elements and park management elements should be digitized.

4.3 The real-time data of the logistics park should be collected, transmitted, stored and processed through the logistics park digital management platform.

4.4 There should be a digital management organization, personnel and system, and digital management personnel should be able to handle digital operations and management issues in a timely manner. We will regularly update and improve the information system and put forward reasonable suggestions on various issues.